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DIALOG(R)File 351:Derwent WPI

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Half permeability type head mount display for camera, optic-see-through system in medical applications, air hockey game apparatus - includes optical units to guide image to pupil, and CCD camera to pick up image

Patent Assignee: SYSTEM KENKYUSHO KK (SYST-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11084307	A	19990326	JP 97236374	A	19970901	199942 B

Priority Applications (No Type Date): JP 97236374 A 19970901

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11084307	A	18	G02B-027/02	

Abstract (Basic): JP 11084307 A

NOVELTY - Two optical units (214,213) guide an image to pupil.

Another optical unit guides light from an external environment to the pupil. A CCD camera (240) which has a visual field, is also provided. A magnetic sensor (220) detects the 3D position of the head. An LCD panel displays the image.

USE - In optic-see-through system used in medical applications, air hockey game apparatus.

ADVANTAGE - Measures operator's head position accurately since the camera for acquiring image ahead of operator is installed. DESCRIPTION OF DRAWING(S) - The figure shows the component of head mount display.

(213,214) Optical units; (220) Magnetic sensor; (240) CCD camera.

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Title Terms: HALF; PERMEABLE; TYPE; HEAD; MOUNT; DISPLAY; CAMERA; OPTICAL; THROUGH; SYSTEM; MEDICAL; APPLY; AIR; HOCKEY; GAME; APPARATUS; OPTICAL; UNIT; GUIDE; IMAGE; PUPIL; CCD; CAMERA; PICK; UP; IMAGE

Derwent Class: P81; P85; W02; W03

International Patent Class (Main): G02B-027/02

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File Segment: EPI; EngPI

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